

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Nortel Networks Limited	05/17/2011
RECEIVING PARTY DATA	
Name:	Ciena Luxembourg S.a.r.l.
Street Address:	560A, rue de Neudorf, L-2220
City:	Luxembourg, Grand Duchy of Luxembourg
State/Country:	LUXEMBOURG
PROPERTY NUMBERS Total: 27	
Property Type	Number
Application Number:	12419368
Application Number:	12420970
Application Number:	12421227
Application Number:	12430671
Application Number:	12431493
Application Number:	12433316
Application Number:	12435973
Application Number:	12436470
Application Number:	12463827
Application Number:	12485375
Application Number:	12571722
Application Number:	12608022
Application Number:	12644409
Application Number:	12696089
Application Number:	12699927
Application Number:	12718733

CH \$1080.00 12419368

Application Number:	12721802
Application Number:	12721876
Application Number:	12722841
Application Number:	12753381
Application Number:	12892959
Application Number:	13028475
Application Number:	12966245
Application Number:	13040590
Application Number:	13047411
Application Number:	13047356
Application Number:	61140265

CORRESPONDENCE DATA

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Address Line 4: OTTAWA, CANADA K1P 1A4

ATTORNEY DOCKET NUMBER:	102831/00001
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NAME OF SUBMITTER:	Kent Daniels
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Total Attachments: 4
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ASSIGNMENT OF PATENT RIGHTS

THIS PATENT ASSIGNMENT (this "Patent Assignment") between Nortel Networks Limited, a corporation incorporated under the laws of Canada whose registered address is 5945 Airport Road, Suite 360, Mississauga, Ontario, L4V 1R9, Canada ("**Assignor**"), and Ciena Luxembourg S.a.r.l., a Société à responsabilité limitée organized under the laws of the Grand Duchy of Luxembourg having its registered office at 560A, rue de Neudorf, L-2220, Luxembourg, Grand-Duchy of Luxembourg ("**Assignee**").

WHEREAS, Assignor owns all right, title, and interest in and to the patents and patent applications set forth on Schedule A attached hereto (the "**Assigned Patents**").


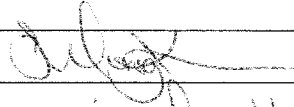
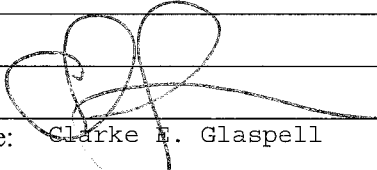
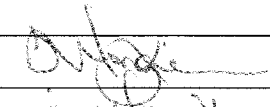
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby sell, assign, transfer and set over to Assignee, Assignor's entire right, title and interest in and to the Assigned Patents (and in the case of any patent applications included in the Assigned Patents, any patents issuing from such patent applications), for the United States and all other countries throughout the World, including any continuations, divisions, continuations-in-part, reissues, reexaminations, or extensions which may be filed by Assignee or its successors or assigns, or foreign equivalents thereof, and including the subject matter of all claims which may be obtained therefrom for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Patent Assignment and sale had not been made, together with the right to sue and collect for past and future infringement or other unauthorized use thereof, and any and all corresponding rights that, now or hereafter, may be secured in the United States and all other countries throughout the World and the physical patent prosecution files in Assignor's possession or under Assignor's control of any of the foregoing.

Assignor authorizes and requests the appropriate government authority to record Assignee as owner of the Assigned Patents, including any continuations, divisions, continuations-in-part, reissues, reexaminations or extensions thereof which may be filed by Assignee or its successors or assigns, and to issue any and all letters patent of the United States and all other countries throughout the World thereon to Assignee, as assignee of the entire right, title and interest in, to and under the same, for the sole use and enjoyment of Assignee, its successors, assigns or other legal representatives.

Assignor shall take all actions and execute and deliver such other documents that Assignee may reasonably request at Assignee's cost, to effect the terms of this Patent Assignment and to perfect Assignee's title in and to those Assigned Patents assigned to it hereunder.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK;
SIGNATURE PAGES FOLLOW]

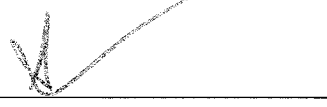
IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed by its duly authorized representatives as of the Effective Date.

<u>ASSIGNOR</u>	
NORTEL NETWORKS LIMITED	
By: 	Witnessed By: 
Name: John M. Doolittle	Name: Tarecia Wingler
Title: Senior Vice-President, Corporate Services and Chief Financial Officer	Title: Co-ordinator, Board Services
Date:	
At:	
By: 	Witnessed By: 
Name: Clarke E. Glaspell	Name: Tarecia Wingler
Title: Controller	Title: Co-ordinator, Board Services
Date:	
At:	

Province of Ontario

City of Mississauga

On this 17th day of May 2011, before me personally appeared John M. Doolittle and Clarke E. Glaspell, both known to me, who being duly sworn, did depose and say that the foregoing Patent Assignment was made for the purposes and considerations so stated, and that they were authorized to act of behalf of Nortel Networks Limited in entering into such Patent Assignment.



Notary Public:

My Commission Expires: N/A

ACKNOWLEDGED BY:

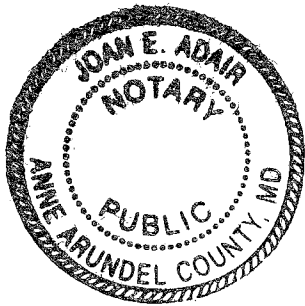
CIENA LUXEMBOURG S.A.R.L.

By: *David M. Rothenstein*

Name: **David M. Rothenstein**
Title: **Senior VP & General Counsel**

State of MARYLAND)
County Anne Arundel) ss.
City of Anne Arundel)

On this 23rd day of MAY 2011, before me personally appeared DAVID M. Rothenstein known to me, who being duly sworn, did depose and say that the foregoing Patent Assignment was made for the purposes and considerations so stated, and that they were authorized to act of behalf of Ciena Luxembourg S.a.r.l. in acknowledging such Patent Assignment.



Joan E. Adair
Notary Public: JOAN E. ADAIR
My Commission Expires: 10/7/2012

SCHEDULE A

App Filed Country Code	App Serial Number
US	12/419,368
US	12/420,970
US	12/421,227
US	12/430,671
US	12/431,493
US	12/433,316
US	12/435,973
US	12/436,470
US	12/463,827
US	12/485,375
US	12/571,722
US	12/608,022
US	12/644,409
US	12/696,089
US	12/699,927
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US	12/721,876
US	12/722,841
US	12/753,381
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US	61/286,316
US	61/305,026
US	61/312,499
US	61/312,726
US	61/313,147
US	61/313,172
US	61/313,330
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WO	PCT/CA2010/000625